Murray Machinery

A Brownfield With Everything

1

Murray Machinery Overview

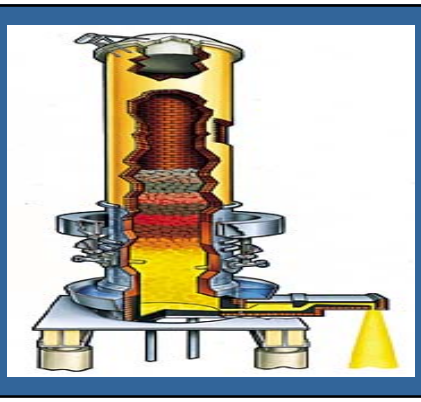
- Foundry Processes
- Operational History
- Site Clean-up
- Land Recycling Tools
- Department Action
- Redevelopment

2

Foundry's Processes

- **Melting Metal**

3



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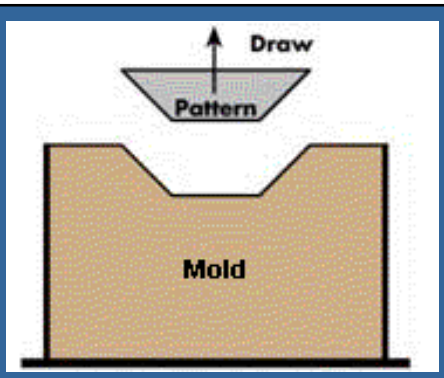
6

Foundry's Processes

- Melting Metal
- **Mold / Core Making**

7



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10

Foundry's Processes

- Melting Metal
- Mold / Core Making
- **Casting**

11

12

Foundry's Processes

- Melting Metal
- Mold / Core Making
- Casting
- **Shake-out**

13

14

Foundry's Processes

- Melting Metal
- Mold / Core Making
- Casting
- Shake-out
- **Finishing**

15

Operational History

- Began Operations in mid-1960's
- Landfill First Licensed - 1972
- Air Pollution Control Installed - 1972

16

Operational History

- Recurring violations of solid waste rules
  - → Filling Beyond Approved Boundaries

Operational History

- Recurring violations of solid waste rules
  - → Filling Beyond Approved Boundaries
  - → Disposing of Non-Approved Wastes

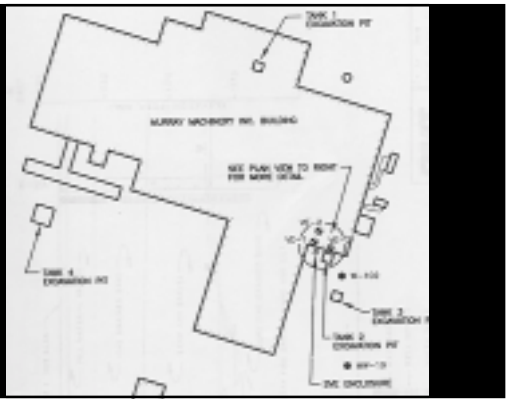
Operational History

- Operations Ceased - 1988

Operational History

- Operations Ceased - 1988
- **Environmental Audit - 1989**
  - **Underground Storage Tanks**

31



Operational History

- Operations Ceased - 1988
- **Environmental Audit - 1989**
  - Underground Storage Tanks
  - **Hazardous Waste Surface Impoundment**

33

Operational History

- Operations Ceased - 1988
- Environmental Audit - 1989
  - Underground Storage Tanks
  - Hazardous Waste Surface Impoundment
  - **Landfill not closed**

37

Site Clean-up

Underground Storage Tanks

- Four buried tanks removed by Murray Machinery in 1989
  - → 250 gal. - fuel oil
  - → 550 gal. - gasoline
  - → 550 gal. - diesel fuel
  - → 1000 gal. - core oil

40

Site Clean-up

Underground Storage Tanks

- **Four buried tanks removed by Murray Machinery in 1989**
  - → 250 gal. - fuel oil
  - → 550 gal. - gasoline
  - → 550 gal. - diesel fuel
  - → 1000 gal. - core oil
- **Soil vacuum extraction system > 95-97**

43

Site Clean-up

Surface Impoundment

- **1989-92 DNR orders on investigation and clean-up of impoundment**

44

Site Clean-up

Surface Impoundment

- 1989-92 DNR orders on investigation and clean-up of impoundment
- **1993 Murray & State sign agreement**

45

Site Clean-up

Surface Impoundment

- 1989-92 DNR orders on investigation and clean-up of impoundment
- 1993 Murray & State sign agreement
- **1994-96 EPA completes removal action on the impoundment**

46

Site Clean-up

Solid Waste Landfill

- **EPA capped portion - 1996**

50

Site Clean-up

Solid Waste Landfill

- EPA capped portion - 1996
- **State-Funded Response 1999-2000**

55

Loren A. Brumberg
Department of Natural Resources

- **Land Recycling Tools**
- **Department Actions**
- **Redevelopment**

56

Land Recycling Tools

- **Brownfields Environmental Assessment Program (“BEAP”)**

57

Land Recycling Tools

- Brownfields Environmental Assessment Program ("BEAP")
- **General Liability Clarification Letter**

59

Land Recycling Tools

- Brownfields Environmental Assessment Program ("BEAP")
- General Liability Clarification Letter
- **Commerce's Brownfields Grant Program**

60

Land Recycling Tools

- Brownfields Environmental Assessment Program ("BEAP")
- General Liability Clarification Letter
- Commerce's Brownfields Grant Program
- **EPA's Administrative Agreement and Covenant Not to Sue**

61

ENVIRONMENTAL PROTECTION AGENCY

[42 U.S.C. Section 122(i) FRL-6340-8]

Proposed Administrative Agreement and Covenant Not To Sue

AGENCY: U.S. Environmental Protection Agency (U.S. EPA).

ACTION: Proposal of Administrative Agreement and Covenant Not to Sue Under Section 122(h) of CERCLA for the Murray Machinery, Inc. Superfund Site.

SUMMARY: U.S. EPA is proposing to execute an Administrative Agreement and Covenant Not to Sue (Agreement) under Section 122 of CERCLA for the Murray Machinery Superfund Site. Respondent has agreed to pay $24,028.58 out of total response costs of approximately $2.4 million, and in return will receive a covenant not to sue and contribution protection from U.S. EPA. U.S. EPA today is proposing to execute this Agreement because it achieves a benefit for the community where the site is located by encouraging the reuse or redevelopment of property at which the fear of Superfund liability may have been a barrier. The Murray Machinery Site would likely have remained an abandoned lot had U.S. EPA not entered into this Agreement and Covenant Not to Sue with the Prospective Purchasers. Therefore, this Agreement, although one which does not recover a significant amount of past response costs, does provide for the reuse and redevelopment of the Site.

Department Actions

- Modified Plan of Operation Approval for Environmental Monitoring & Long-Term care of the Foundry Waste Disposal Facility
- Deed Affidavit to Address Use Restrictions and Requirements for Environmental Monitoring & Long-Term Care

63

Department Actions

- Leaking Underground Storage Tank Case Closure letter
- State-Funded Response Action
  - →Remedial Action Options Report
  - →Request for Bids

64

Redevelopment

- **Residential Development**

66

Redevelopment

- Residential Development
- **Non-Metallic Mining**

67

Redevelopment

- Residential Development
- Non-Metallic Mining
- **Truss Manufacturing Facility**

69

Redevelopment

- Residential Development
- Non-Metallic Mining
- Truss Manufacturing Facility
- **Future Manufacturing Plans**

74

The End

75